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Notice of Allowability	Application No.	Applicant(s)	
	09/710,219	TANAKA ET AL.	
	Examiner	Art Unit	
	Ricardo Pizarro	2662	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment received on 5/24/05.
2. ☐ The allowed claim(s) is/are 1, 3-20, They have been renumbered 1, 3-8, 10, 2, 13-16, 11-12, 17-19 and 9 respectively.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

Examiner's Amendment

1. An Examiner's amendment for the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee. Authorization for this examiner's amendment was given in a telephone interview with Mr. Michael Schmidt on 9/9/05.

CLAIMS HAVE BEEN AMENDED AS FOLLOW:

Claim 3

In lines 12-13 , " the at least one of the transmitting terminal stations" has been deleted and replaced with --the hidden terminal station--.

In line 14 , after " location of the" -- at least one other-- has been inserted, and " stations" has been deleted and replaced with -- station--.

Claim 7

In lines 13-14 , " the at least one transmitting" has been deleted and replaced with --the hidden terminal station--.

In line 15, before " transmitting terminal" -- at least one other -- has been inserted and " stations" has been deleted and replaced with -- station--

Claim 8

In lines 11-12, " the at least one transmitting" has been deleted and replaced with --the hidden --.

In line 13 , before "other transmitting" --at least one -- has been inserted and " stations" has been deleted and replaced with – station --

Claim 9

In lines 13-14, " the other transmitting stations" has been deleted and replaced with --the hidden station--.

Claim 11

In lines 11-12, " the at least one of the transmitting terminal stations" has been deleted and replaced with -- the hidden terminal station--.

In line 13 , after " location of the" --at least one -- has been inserted and " stations" has been deleted and replaced with – station--.

Claim 13

In lines 11-12 , " the at least one of the transmitting terminal stations" has been deleted and replaced with --the hidden terminal station-- .

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In line 13 , after " location of the " -- at least one-- has been inserted and " stations" has been deleted and replaced with -- station--.

Claim 14

In line 8, before " transmitting terminal" --the-- has been inserted.

In line 10 , after " power from the" --at least one other-- has been inserted.

Examiner's statement of reasons for Allowance

2. The following is an examiner's statement of reasons for allowance:

For claims 1 and 14, no prior art of record was found for a CSMA wireless LAN comprising a base station and a plurality of terminal stations, a plurality of sector antennas located in the BS, terminal ID means at the BS to identify at least one of the stations being a hidden stations, power notifying in the BS to notify the hidden station to increase a transmitting power when it is determined that there are at least two transmitting stations based on comparison of the received power of each antenna by a monitor means with a reference power.

For claims 3, 7, 8, 9, 11, 13 and 17, no prior art of record was found for a CSMA wireless LAN comprising a Base station, a plurality of terminal stations, a plurality of sector antennas located at the BS, terminal ID means to determine the presence of at least one of the transmitting stations being a hidden terminal wherein sector notifying

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means at the BS notify the hidden terminal of sector information about the location of at least one other transmitting terminal station.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Ricardo Pizarro** whose telephone number is (571) 272-3077. The examiner can normally be reached on Monday-Friday from 9:00 AM to 5:00 PM. The fax number for this Group is (571) 273-8300.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Hassan Kizou** can be reached on (571) 272-3088.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

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For more information about the PAIR system, see <http://pair-direct.uspto.gov>.

Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

September 14, 2005

Ricardo Pizarro



HASSAN KIZOU
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600